

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1088	222/129.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 17:50
L2	0	222/129.3129.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 17:50
L3	730	222/129.3-129.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 17:53
L4	570	222/132.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 17:57
L5	1653	222/135.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:04
L6	587	222/145.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:08
L7	516	222/145.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:13
L8	1242	222/144.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:17
L9	706	222/571.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:20

## EAST Search History

L10	1441	222/504.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:24
L11	2971	valve and beverage and air and rate and flow and plurality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:26
L12	516	11 and "222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/14 18:26
S1	1	("6446834").PN.	USPAT	OR	OFF	2006/01/19 14:06
S2	17	("2516825"   "2748982"   "3073349"   "3110320"   "3695290"   "3851668"   "3955794"   "4108134"   "4795131"   "5516079"   "5868279"   "5950870"   "5967367").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/19 14:08
S3	211751	inlet and nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:12
S4	17639	S3 and valve and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:13
S5	703	S4 and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:13
S6	191	S5 and 222/129.1-129.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:13
S7	7	("2746641").URPN.	USPAT	OR	OFF	2006/01/19 14:30
S8	24	("3348737").URPN.	USPAT	OR	OFF	2006/01/19 14:34
S9	12	("3396871").URPN.	USPAT	OR	OFF	2006/01/19 14:43
S10	562	222/145.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:05

## EAST Search History

S11	7575	222/129.1-136.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 09:56
S12	203	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:05
S13	8	S11 and (suck near back)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:05
S14	619	(suck near back) same valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:04
S15	13	S14 and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:04
S16	0	S11 and (antidrip)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:35
S17	687	222/571.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:25
S18	27	S17 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:05
S19	1	valve and antidrip and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:11
S20	1	valve and antidrip and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:25

## EAST Search History

S21	72	nicolas and "222"/\$.ccls. and valve and nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:25
S22	76	("0262183"   "1395442"   "1667943"   "1713357"   "1767354"   "3539112"   "3547148"   "3726482"   "3756233"   "3788353"   "3902665"   "4154402"   "4372354"   "4394945"   "4396044"   "4477003"   "4597719"   "4958669"   "4990746"   "5016687"   "5056686"   "5094278"   "5113753"   "5158210"   "5169292"   "5193593"   "5230443"   "5297945"   "5350083"   "5361943"   "5364244"   "5366117"   "5368195"   "5395046"   "5427144"   "5429304"   "5429308"   "5429681"   "5431343"   "5435466"   "5540774"   "5542574"   "5553740"   "5566863"   "5622484"   "5624056"   "5641096"   "5643195"   "5645116"   "5667105"   "5704522"   "5720433"   "5875930"   "5887768"   "5906296"   "5944259"   "5947800"   "5950867"   "5992695"   "5992764"   "5996846"   "6029903"   "6036166"   "6058986"   "6082587"   "6131766"   "6357632"   "6481645"   "D401477"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/20 09:13
S23	2806	valve and solenoid and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:25
S24	8	S23 and 222/571.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:25
S25	8	("2934243").URPN.	USPAT	OR	OFF	2006/01/20 09:33
S26	120	drip\$4 and beverage and valve and nozzle and air and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/20 09:35
S27	161	drip\$4 and beverage and valve and nozzle and air and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:02

## EAST Search History

S28	85	S27 and "222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:44
S29	8	S27 and "239"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 09:36
S30	73	S28 and drip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:02
S31	688	anti near drip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:36
S32	1	S31 and beverage and valve and nozzle and air and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:36
S33	3	S31 and beverage and valve and nozzle and air	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:23
S34	871	(suck near back) and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:36
S35	10	S34 and beverage and valve and nozzle and air	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/20 10:36
S36	1072	222/129.1.cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 07:22
S37	32	("4218014").URPN.	USPAT	OR	OFF	2007/01/30 09:56

## EAST Search History

S38	112205	air and solenoid and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 09:56
S39	7704	222/129.1-136.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 09:56
S40	505	S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 10:40
S41	13	("3999691"   "4273261"   "4643335"   "4687137"   "4983109"   "5265800"   "5620139"   "5683037"   "5740963"   "5762098"   "5829647"   "RE27865"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 10:08
S42	3676	air near solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:21
S43	3087	S38 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 10:41
S44	48	S43 and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 10:41
S45	21	S42 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:21
S46	86	(air near solenoid) with vent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:34
S47	0	S46 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:35

## EAST Search History

S48	1	S46 and beverage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:22
S49	10	("RE25663").URPN.	USPAT	OR	OFF	2007/01/30 11:22
S50	443	(air near valve) with vent and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:35
S51	1	S50 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:35
S52	2122	(air near valve) with vent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:36
S53	13	S52 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:37
S54	63235	(air near valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:36
S55	175	S54 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:37
S56	21	S55 and beverage and solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:43
S57	2	S55 and beverage and solenoid and drain\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/30 11:55

## EAST Search History

S58	125933	solenoid near valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:55
S59	152	S58 and beverage and vent and air and nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 11:56
S60	1	("6324850").PN.	USPAT	OR	OFF	2007/01/30 14:22
S61	1	("6478200").PN.	USPAT	OR	OFF	2007/01/30 14:23
S62	865	draining and beverage	USPAT	OR	OFF	2007/01/30 14:23
S63	167	S62 and solenoid and valve	USPAT	OR	OFF	2007/01/30 14:23
S64	58	S63 and "222"/\$.ccls.	USPAT	OR	OFF	2007/01/30 14:43
S65	1526	(drain\$4 near valve) with solenoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 14:44
S66	39	S65 and "222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 14:45
S67	28	S66 and air	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/30 15:00
S68	1	("4218014").PN.	USPAT	OR	OFF	2007/01/30 15:01